Proximity sensor
SME-10M-ZS-24V-E-2,5-L-OE

Part number: 551369

FESTO

Data sheet

Feature	Value
Design	for round slot
Conforms to standard	EN 60947-5-2
Symbol	00991624
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Special features	Oil-resistant
Note on materials	RoHS-compliant Halogen-free
Application note	Support / actuator-sensor overview "The right sensor for the actuator"
Measured variable	Position
Measuring principle	Magnetic reed
Ambient temperature	-40 ºC ... 70 ºC
Repetition accuracy	0.2 mm
Switching output	Contact-based, bipolar
Switching element function	N/O contact
On time	≤1.2 ms
Switch-off time	≤1 ms
Max. switching frequency	50 Hz
Max. output current	100 mA
Max. output current in mounting kits	50 mA
Min. switching capacity AC	3 VA
Max. switching capacity DC	3 W
Max. switching capacity DC in mounting kits	1.5 W
Max. switching capacity AC in mounting kits	1.5 VA
Voltage drop	≤4.5 V
Short-circuit protection	no
Overload protection	Not available
Rated operating voltage DC	24 V
Operating voltage range AC	5 V ... 30 V
DC operating voltage range	5 V ... 30 V
Reverse polarity protection	Bipolar
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end

Feature	Value
Electrical connection 1, number of pins/wires	2
Connection outlet orientation	Longitudinal
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 28 mm Torsional resistance: › 300 000 cycles, ±270°/0.1 m
Cable length	2.5 m
Cable characteristic	Suitability for energy chains/robot applications
Material of cable sheath	TPE-U(PUR)
Type of mounting	Screwed tightly Can be inserted in slot from above
Max. tightening torque	0.4 Nm
Mounting position	Any
Product weight	14.6 g
Housing material	PA-reinforced High-alloy stainless steel
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	-20 °C ... 70 °C
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L